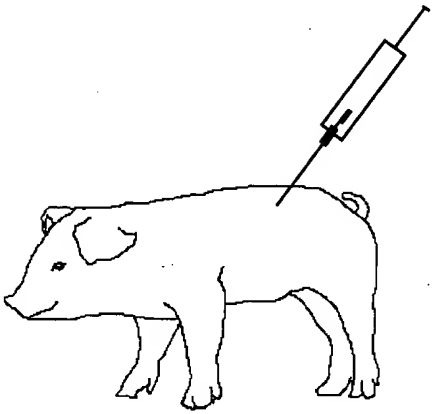
TITLE: COMPOSITIONS AND METHODS FOR THE REPAIR AND CONSTRUCTION OF BONE AND OTHER TISSUE
INVENTOR: DR. CHIA NING CHANG
DOCKET NO.: 01779784

T06Th0" 4T8Z8860

Methods



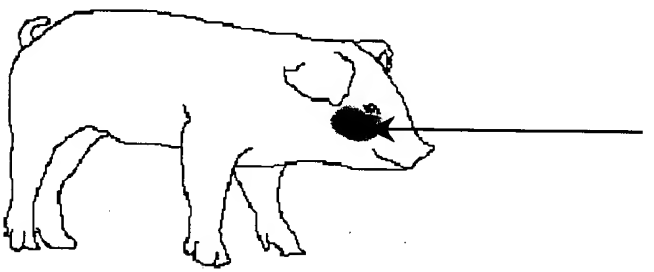
Aspiration bone marrow from iliac crest

Cell isolation

Gene Engineering MSC

Polymer

MSC in vitro culture



Open implantation (2 x 5 cm^2, bilateral)

Fig. 1

FIG. 1

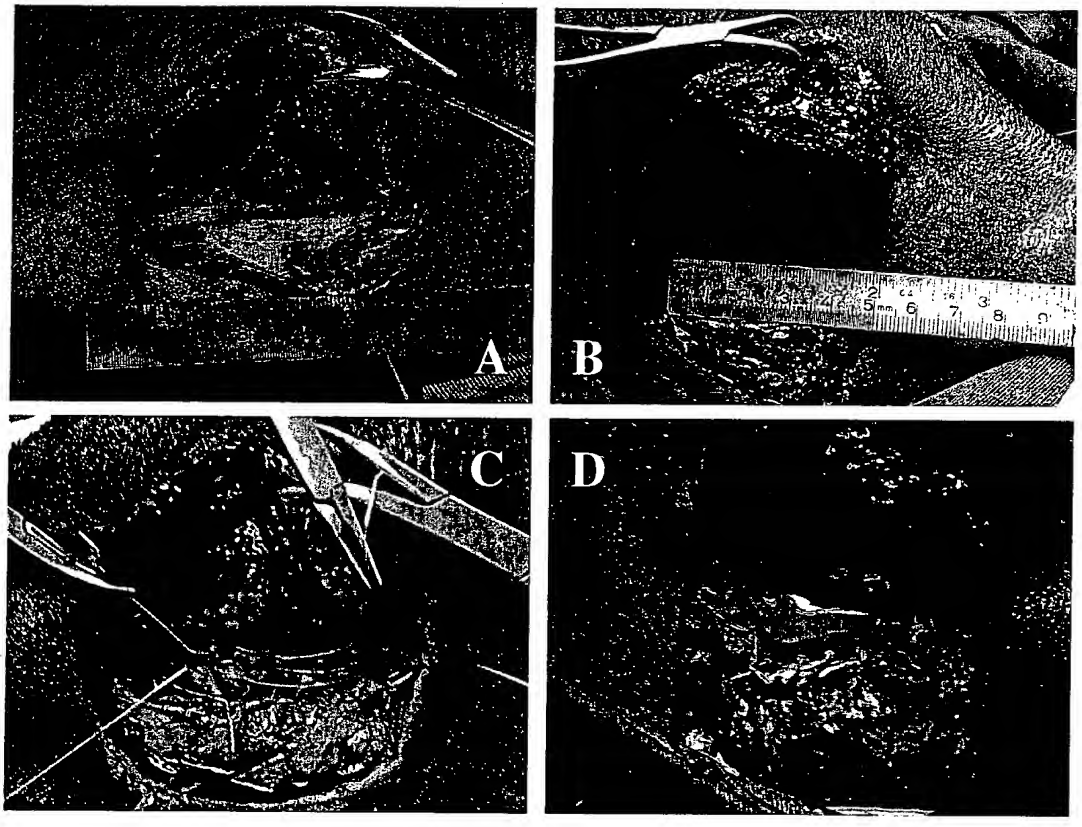


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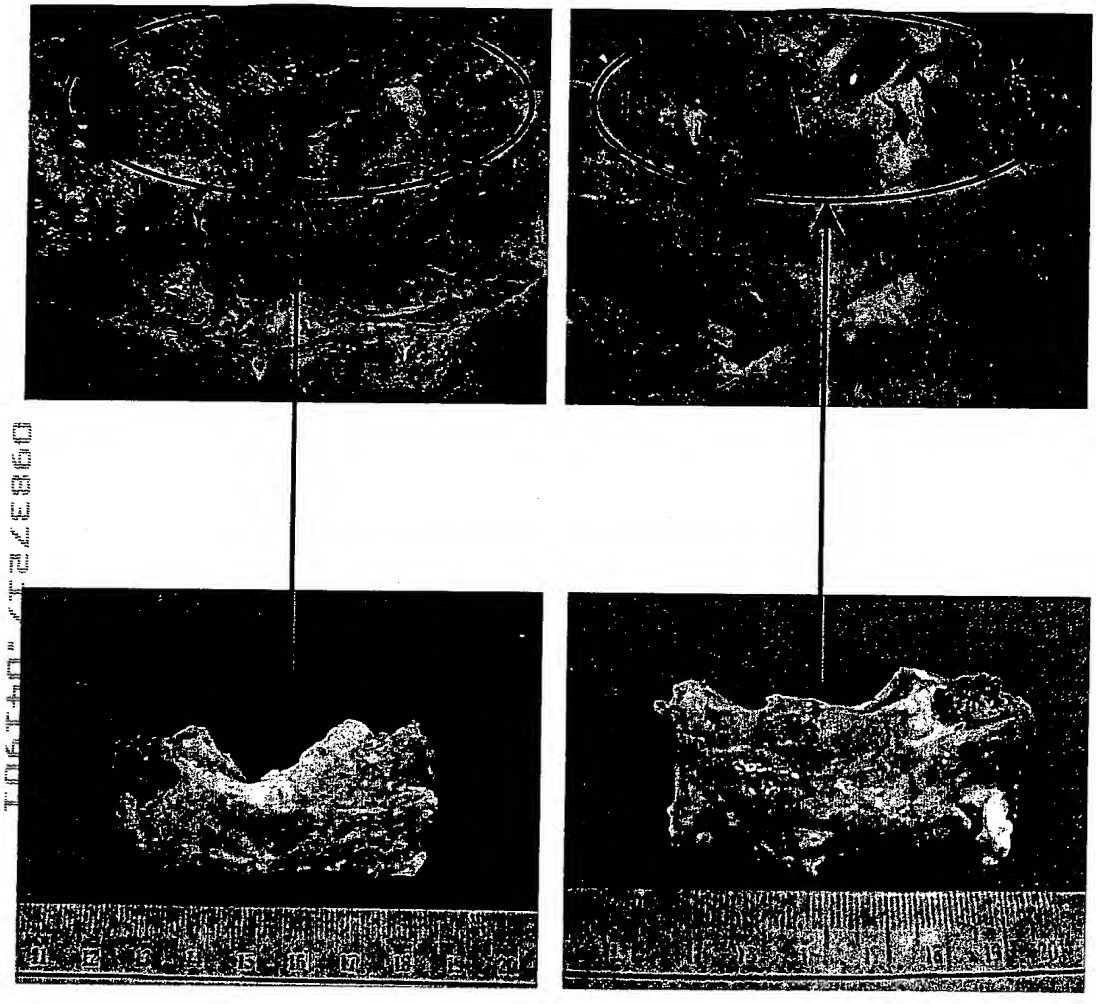
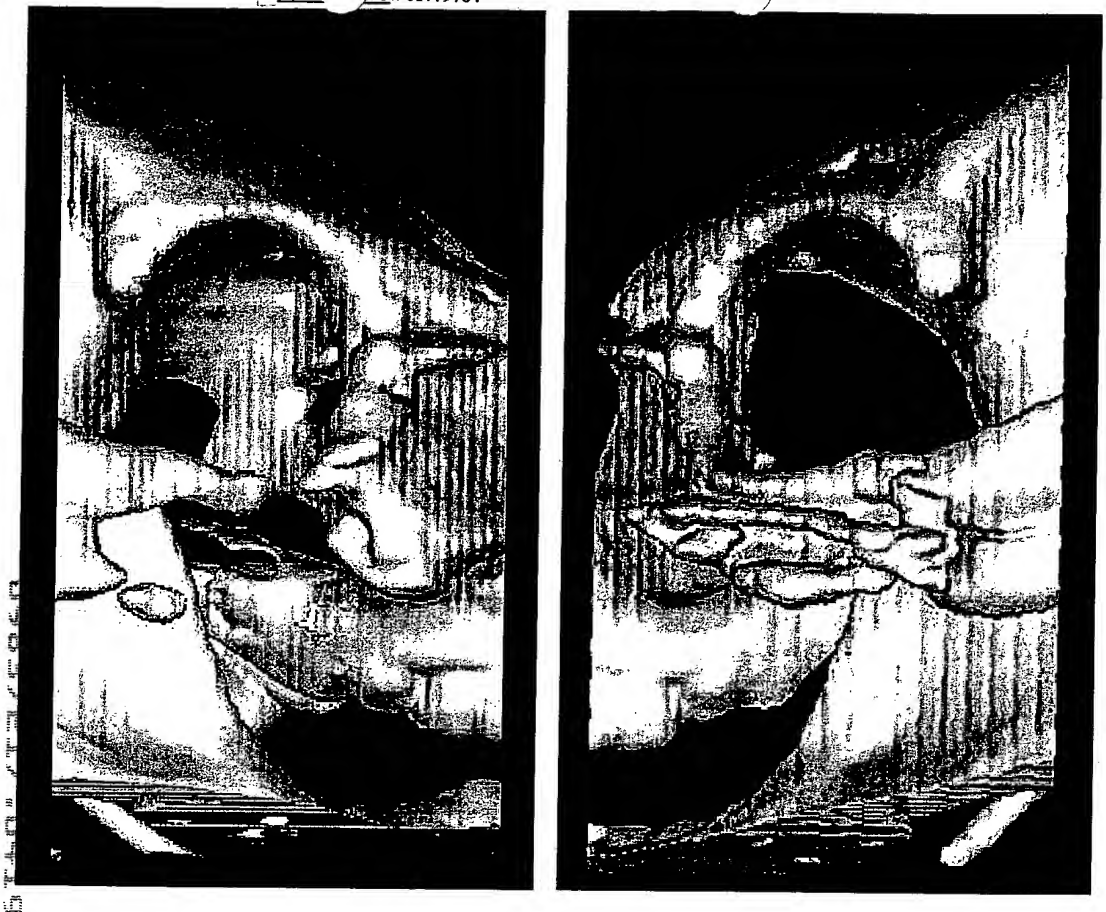
Fig. 2



Con Exp

Fig. 3

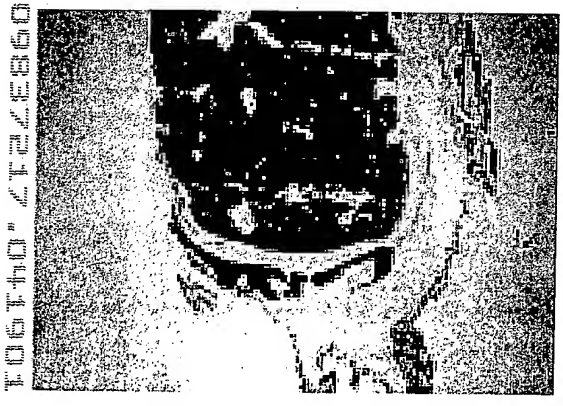


Con Exp

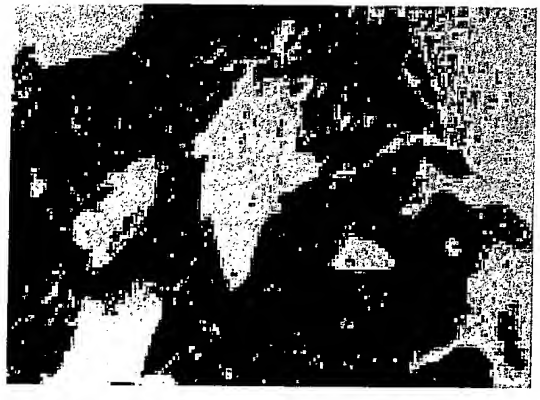
Fig. 4

He stain Con 40X

He stain Exp 40X



Von Kossa Exp 40X



Von Kossa Exp 100X

Fig. 5

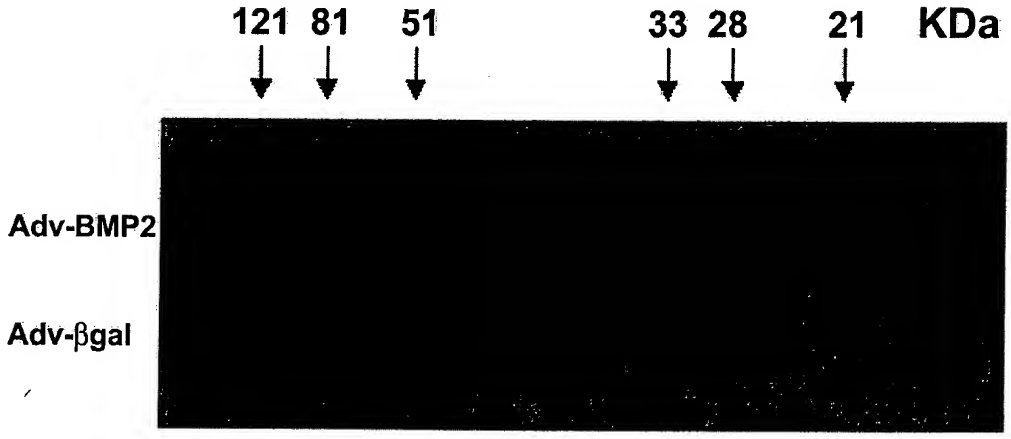


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FIG. 6

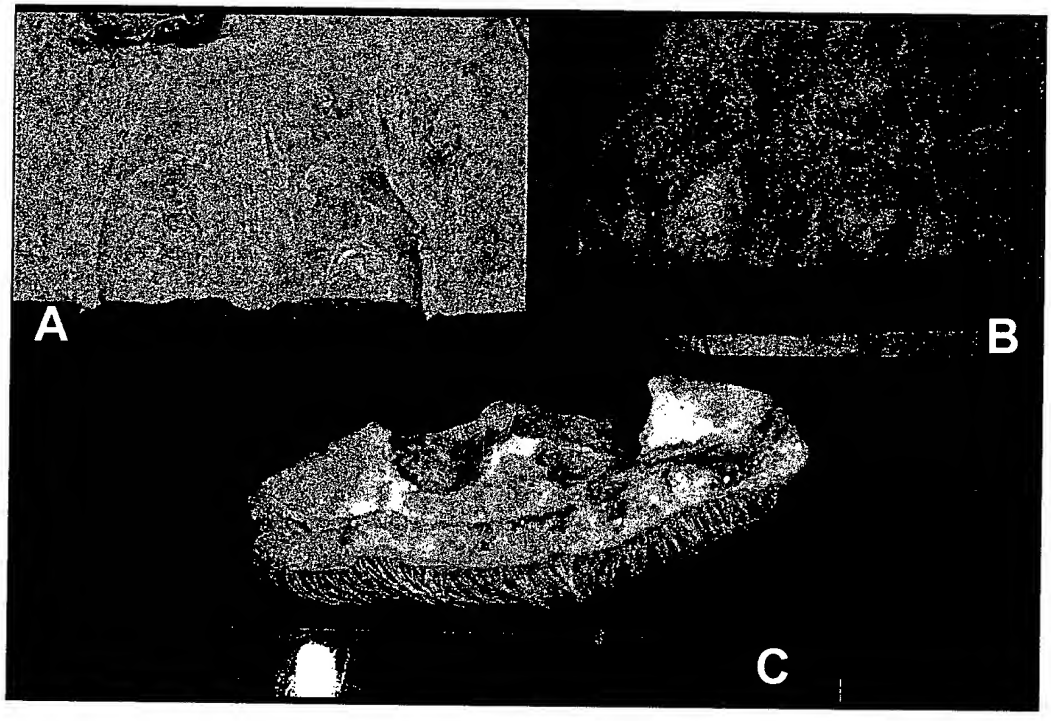

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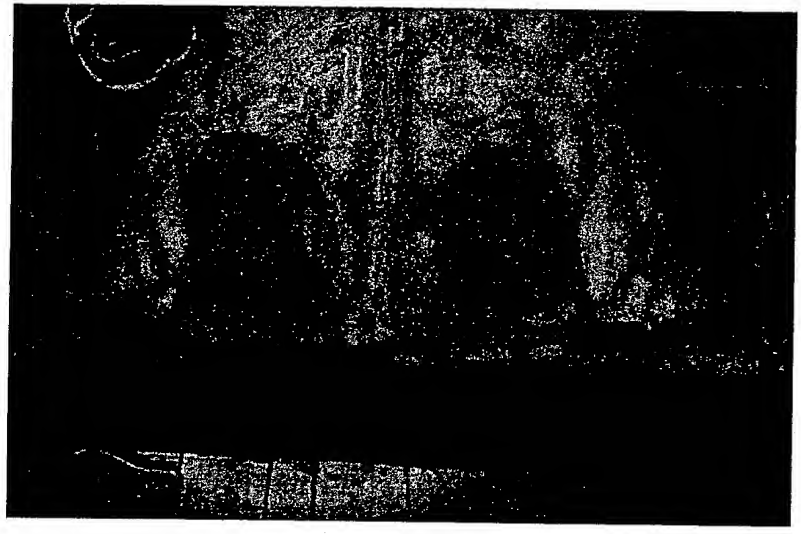
FIG. 7



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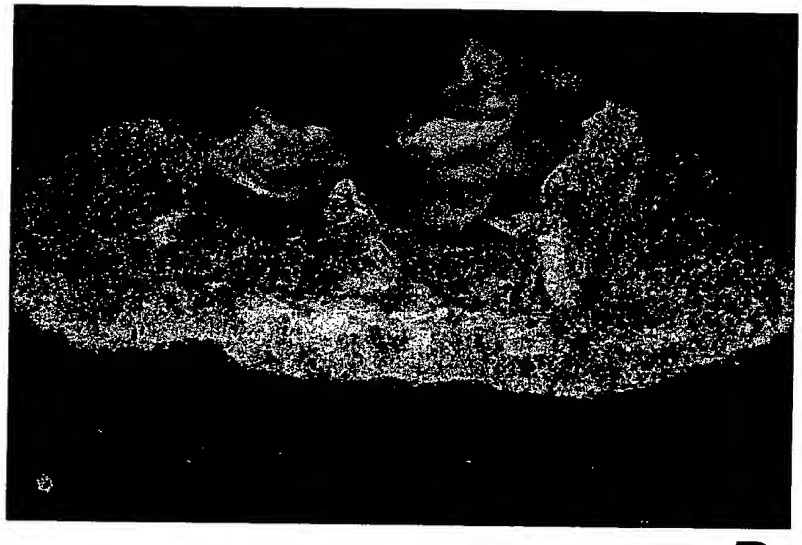

B

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FIG. 8

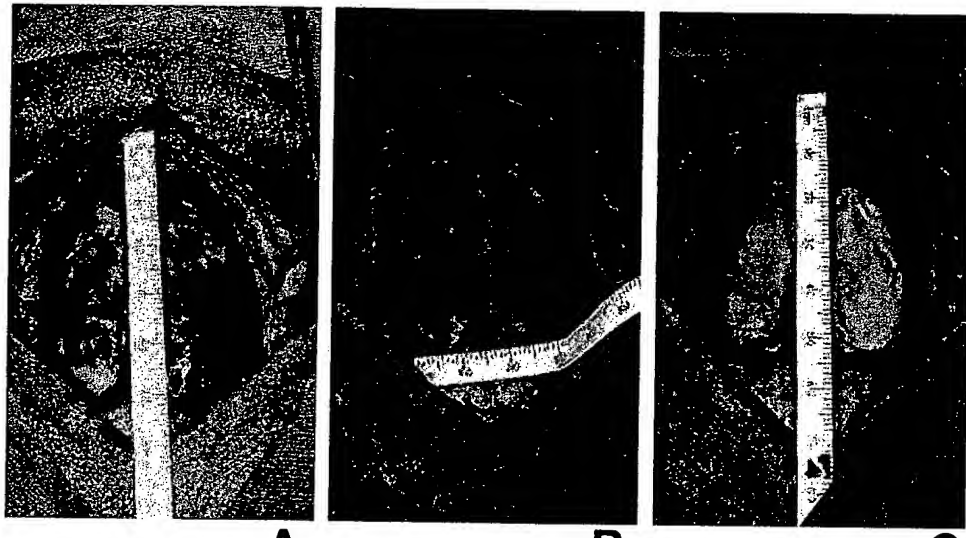

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FIG. 9

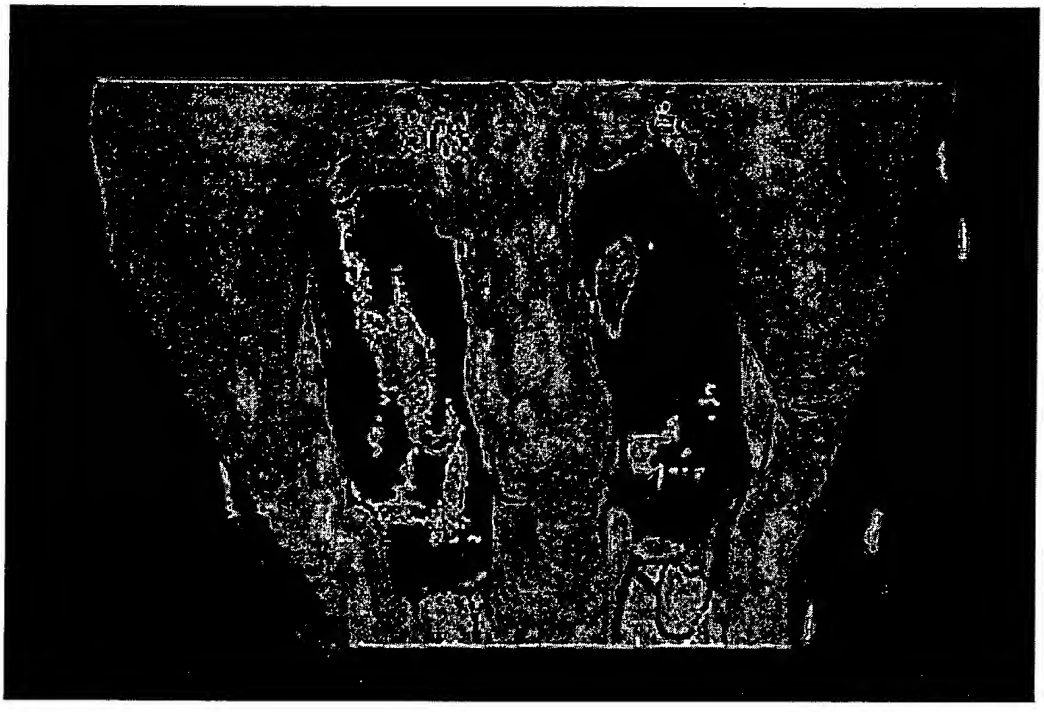

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FIG. 12 10

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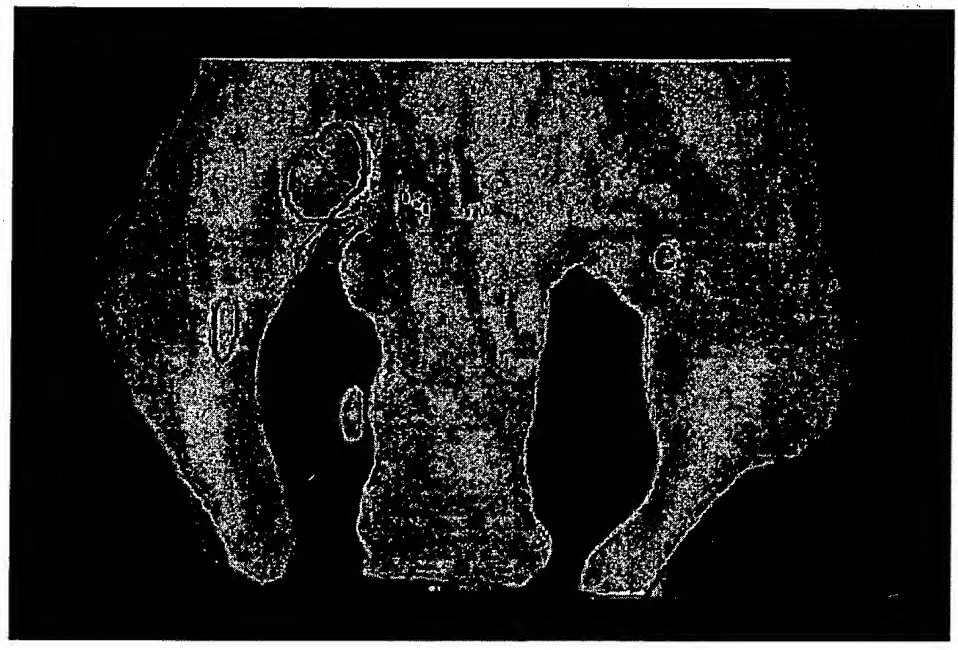

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FIG. ~~10~~ 11

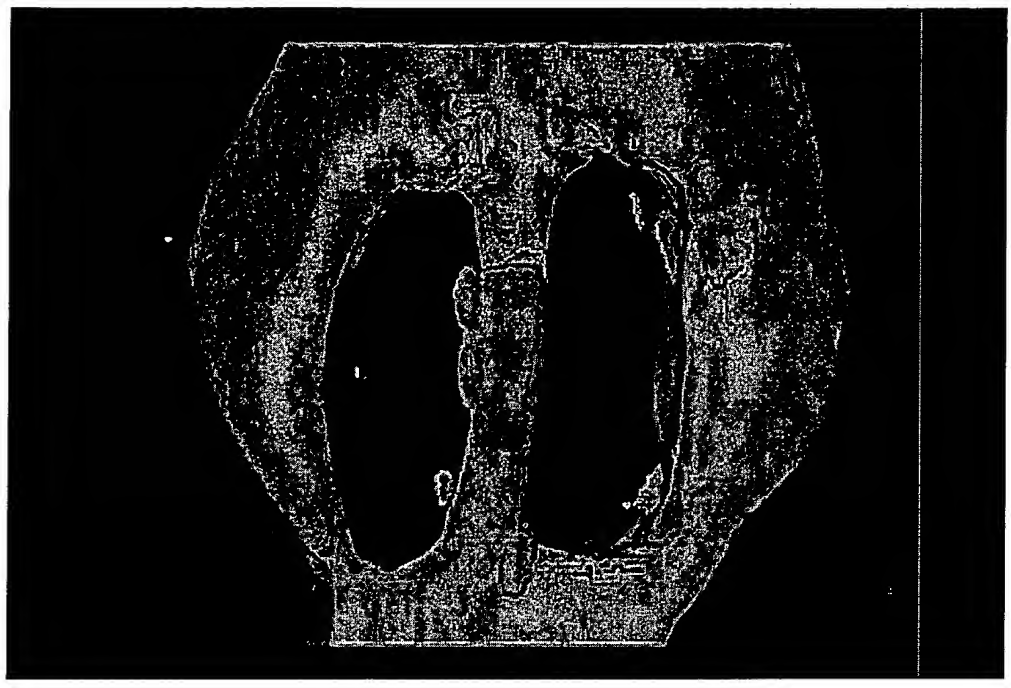

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FIG. 11

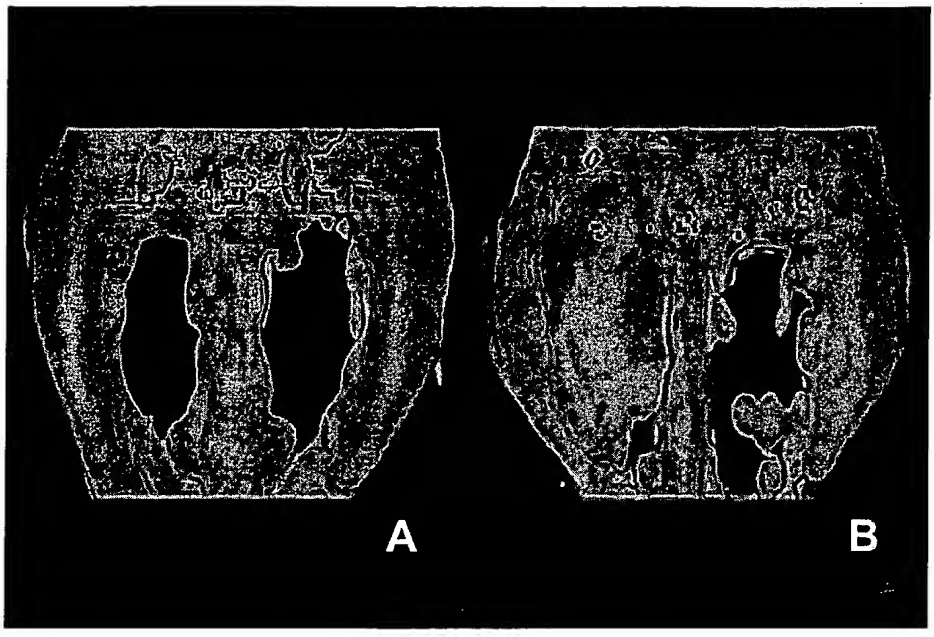

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FIG. 13

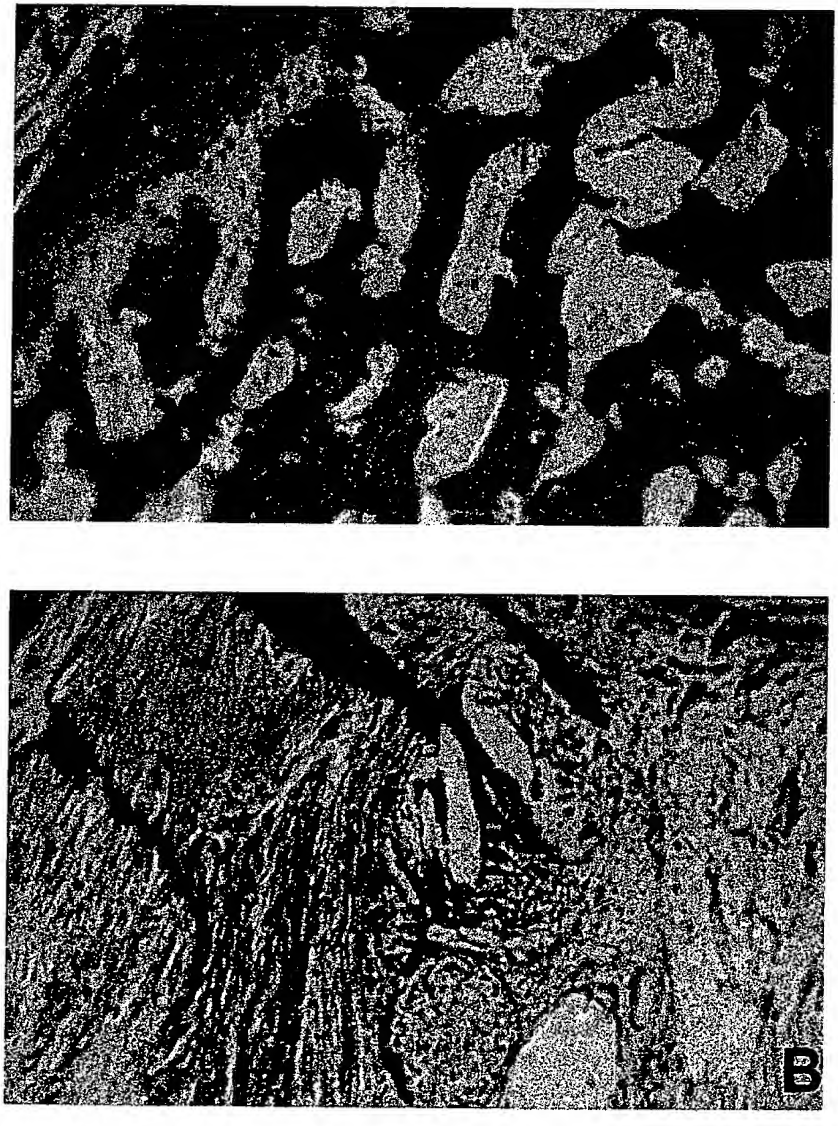

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FIG. 14

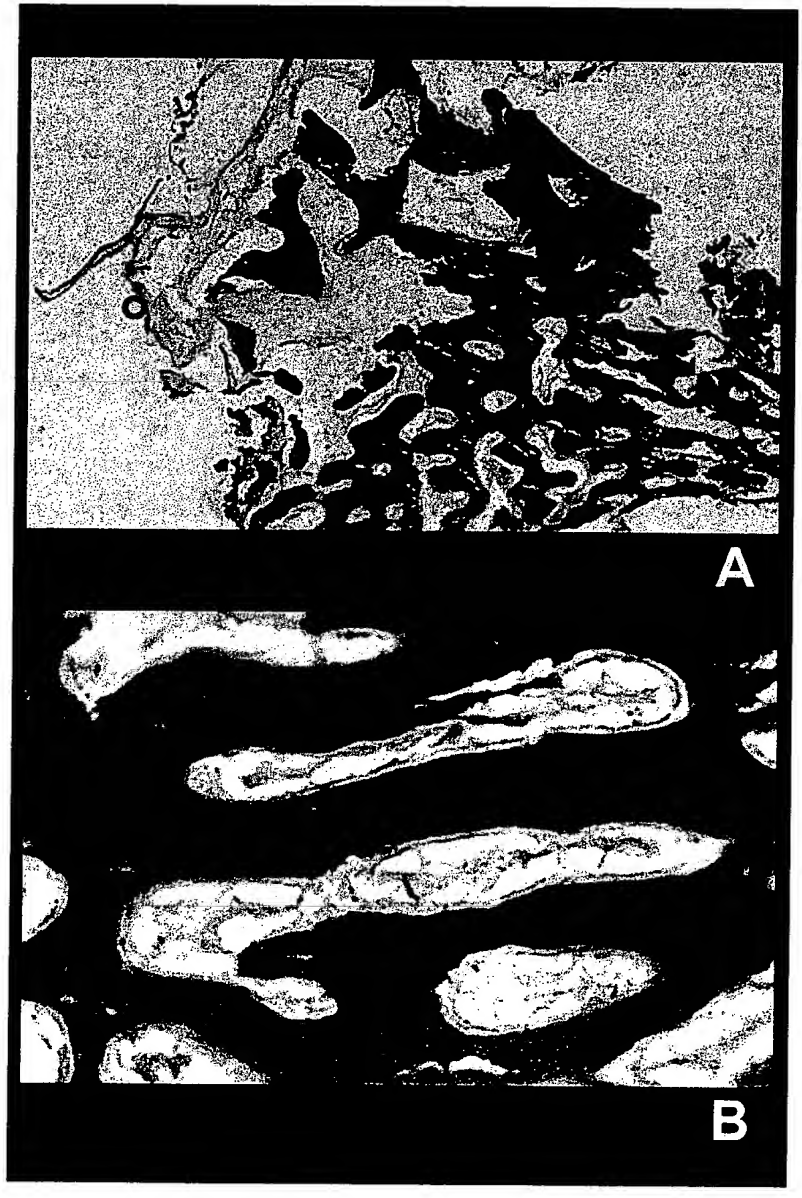

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FIG. 15

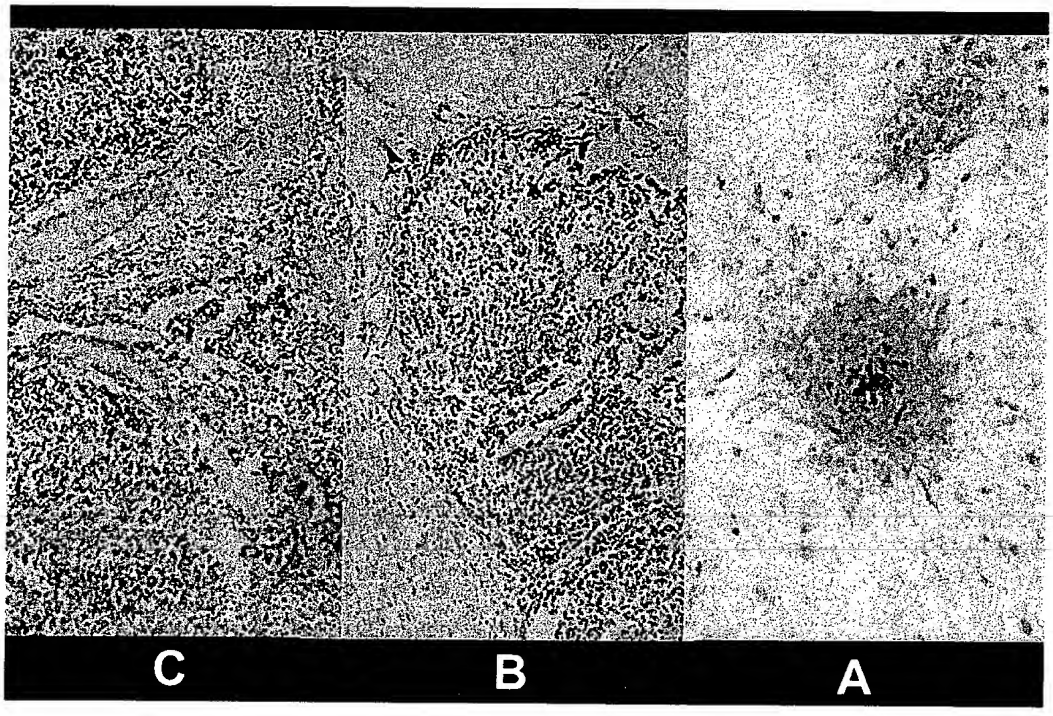

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FIG. 16